



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBW0905G12631-3G

Job Sheet 190662



Part No: RBW0905G12631-3G

Job Qty: 1 pcs

Part Name: Safety Joint Assembly



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 2/12/19

Job Tracking No:

Due Date: 3/11/19

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG RBW0905G12631-3G Rev 7 IPP Rev A 18.01.09 New issue DP verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	1 pcs		3/11/19	0.00	0.00	Purchasing - 1		MAR 08 2019
							Purchasing - 2		
							Purchasing - 3		
110	Packaging 2-1 - Receive - B4B	1 pcs		3/11/19	0.00	0.00	Packaging 2 - 1 - B4B		MAR 08 2019
							Packaging 2 - 2 - B4B		
							Packaging 2 - 3 - B4B		
							Packaging 2 - 5 - B4B		
							Packaging 2 - 4 - B4B		
							Packaging 2 - 6 - B4B		
							Packaging 2 - 7 - B4B		
							Packaging 2 - 8 - B4B		
							Packaging 2 - 9 - B4B		
							Packaging 2 - 10 - B4B		
							Packaging 2 - 11 - B4B		
							Packaging 2 - 12 - B4B		
							Packaging 2 - 13 - B4B		
							Packaging 2 - 14 - B4B		
							Packaging 2 - 15 - B4B		
							Packaging 2 - 16 - B4B		
							Packaging 2 - 17 - B4B		
							Packaging 2 - 18 - B4B		
							Packaging 2 - 19 - B4B		
							Packaging 2 - 20 - B4B		
							Packaging 2 - 21 - B4B		
							Packaging 2 - 22 - B4B		
							Packaging 2 - 23 - B4B		
							Packaging 2 - 24 - B4B		
							Packaging 2 - 25 - B4B		
							Packaging 2 - 26 - B4B		
							Packaging 2 - 27 - B4B		
							Packaging 2 - 28 - B4B		



Container No: S160803



Part: RBW0905G12631-3G

Job No: 190662

Serial No/Batch: S160803

Revision: 7

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 03/08/19

Plex 2/12/19 3:05 PM dart.Lussier.Patrick

				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120	QC 6	1 pcs	3/11/19	0.00 0.00	QC 6 - 42
					QC 6 - 9
					QC 6 - 68
					QC 6 - 61
130	Packaging 3-1 - Stock - B4B	1 pcs	3/11/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B
					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
140	QC 21 - FG	1 pcs	3/11/19	0.00 0.00	QC 21 - FG - 21
					QC 21 - FG - 70
					QC 21 - FG - 53

DAS

MAR 12 2019 68

9-89

DAS
28
9-89

DAS

MAR 13 2019 70

9-89

Part Op 100 - Purchasing - Issue P/O: 042588 MANUFACTURE RBW0905G12631-3G AS PER DWG Supplier: METEC

Descriptions: Certificate of conformity is required

110 - Receive & Inspect for Damage & Mat'l Certs

120 - QC6- All purchased or subcontracted product

130 - Identify as per dwg & Stock Location: _____

140 - QC21- Final Inspection - Work Order Release

Arrow tech

Patrick

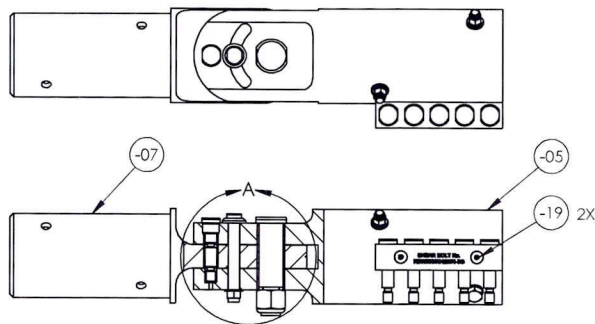
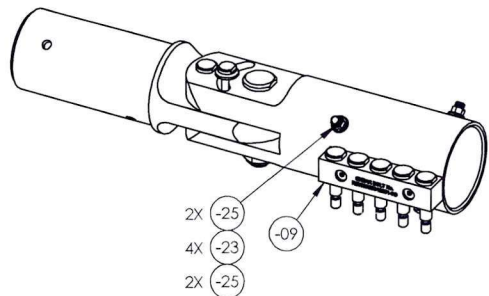
x1 Rhus

12 Feb 2019

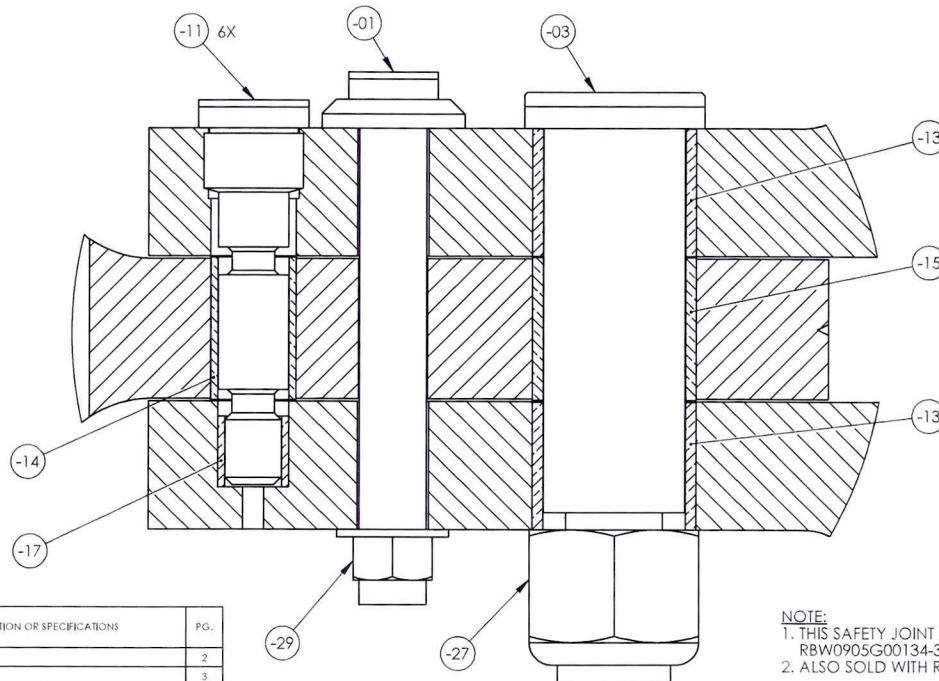
Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
RBW0905G12631-3GP	Safety Joint Assembly	1 pcs (1 ea)	100-Purchasing	5160801
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	RBW0905G12631-3GP	1	0	0
Part Specifications				
Specifications could not be found.				

Plex 2/12/19 3:05 PM dart.Lussier.Patrick

This drawing, specifications, and concepts contained herein are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.



REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		DELETED -11 FROM DWG., MADE REFERENCE IN BOM FOR -11 TO SEE RBW0905G12351-3G.	4/28/10	RJC	
1A		REMOVED PAGE 2, RE-NUMBERED PAGES & BOM PER W.P.	4/28/10	RJC	
2		CORRECTED P.O. 1 ASSEMBLY VIEW. UNIT WAS MIRRORRED THE WRONG DIRECTION. ADDED -14 BUSHING, CHD -03 HEAD DIA. FROM Ø1.182 TO Ø1.12, AND ADDED .125 TO THREAD LENGTH FOR NYLOCK NUT.	5/31/10	WP	RW
3		-09 CHD P/N FROM RBW0905G12351-3G TO RBW0905G12351-3G, REMOVED -11 FROM DWG. & MADE A SEPARATE FILE FOR THIS PART RBW0905G12351-3G, PER W.P.	9/3/10	RJC	
4		SEPERATED PARTS TO 1 PART PER SHEET -07 ADDED FIT TOL TO Ø2.790 DIM	1/2/12	BIM	SE
5		UPDATED SHEET FORMATS, CHD NAME WAS "SAFTY JOINT ASSEMBLY" IS "SAFTY PIN, TOWING/PUSHING". -14 CHD B/O INFO WAS RED #C04-M IS GURLOCK #1020DU. -17 CHD B/O INFO WAS RED #GO-427 IS GURLOCK #MD0810DU. -29 CHG QTY. IN BOM WAS 3 IS 1.	12/20/13	CF5	
6	14-0204	ADDED NOTE 2 TO SHEET ONE. -03 CHD RAW MATERIAL SIZE WAS Ø1-1/4 IS Ø1-1/8. -05 ADDED ENGRAVE T/N, S/N, MADE IN USA NOTE. -07 ADDED MISSING 45° DIM. -14, -17, 21, -23 CHD B/O INFO. -31 DELETED.	10/31/2014	RJC	JAG
7	15-0027	-01, -03 CHD MATERIAL WAS 4140 Q&T IS 4140 Q&T/4142 Q&T.	1/30/2015	RJC	JAG



DETAIL A
SCALE 1.5:1

NOTE:
1. THIS SAFETY JOINT ASSEMBLY ATTACHES TO RBW0905G00134-3G TOW DOLLY.
2. ALSO SOLD WITH RBW0905G10331-3G.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-01	1	PIVOT LOCK BOLT	4140 Q&T/4142 Q&T		2
			-03	1	PIVOT BOLT	4140 Q&T/ 4142 Q&T		3
			-05	1	TONGUE PIVOT	6061		4
			-07	1	DOLLY PIVOT	6061		5
			-09	1	PIVOT SHEAR BOLT HOLDER	6061		6
			-11	6	PIVOT SHEAR BOLT	6061	#RBW0905G12351-3G	1
			-13	2	BUSHING	BRONZE	Ø20mm ID. X 18mm (MCMASER-CARR #6679K21) MODIFIED	7
		B/O	-14	1	BUSHING	BRONZE	Ø10mm ID. X 20mm APPLIED INDUSTRIES #1020DU	1
		B/O	-15	1	BUSHING	BRONZE	Ø20mm ID. X 20mm (MCMASER-CARR #6679K21)	1
		B/O	-17	1	BUSHING	BRONZE	Ø8mm ID. X 10mm APPLIED INDUSTRIES #0810DU	1
		B/O	-19	2	FLAT SOCKET HEAD CAP SCREW	STEEL	#10-32 UNF X 7/8 (MCMASER-CARR #91263A547)	1
		B/O	-21	2	HEX HEAD CAP SCREW	PLATED STEEL	5/16-24 UNF X 3-5/8 SPENCER AIRCRAFT #AHS-35A	1
		B/O	-23	4	FLAT WASHER	PLATED STEEL	Ø5/16 (SPENCER AIRCRAFT #AN960-516)	1
		B/O	-25	2	LOCK NUT	PLATED STEEL	5/16-24 UNF (MCMASER-CARR #95307A600)	1
		B/O	-27	1	LOCK NUT	PLATED STEEL	5/8-18 UNF (MCMASER-CARR #97135A275)	1
		B/O	-29	1	LOCK NUT	PLATED STEEL	3/8-24 UNF (MCMASER-CARR #95307A700)	1

DART AEROSPACE	
TITLE SAFETY PIN, TOWING/PUSHING	
DWG NO. RBW0905G12631-3G	REV 7
MAT'L UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XX ± .005 FRACTIONS ± 1/8 .X ± .01 DECIMAL ± .1 ANGLES ± 5° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER FLATTING	DRAWN BY: PERRITT APPROVED D. Mait SPEC USED ON MODEL AGUSTA AW139
SCALE 1:4	DATE 2/12/2010
SHEET 1 OF 7	



Quotation

PHGE Machine Works LLC dba
Arrow Tech Machine Works
29751 E. Enid Rd. Unit C
Eugene, Oregon 97402

Date	Quote #
2/11/2019	223

Phc (541) 780-6938
FA (458) 215-4938
Em atechmachineworks@gmail.com

Customer Details	Payment Terms	Sales Rep
Dart Aerospace	Withing 30 days due net	Gabriel Escobar
	Contact	
	Patrick Lussier	

Quantity	Item	Description	Unit Price	Amount
1	RBW0905G12631-3G REV-7	SAFETY PIN, TOWING/PUSHING	\$ 3,563.35	\$ 3,563.35
3	"	"	\$ 1,885.85	\$ 5,657.55

price includes also RBW0905G12351-3G (x6)

Subtotal
Freight
Payment and Credit Applied
Total



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO042588**



Supplier: ARR002-VU
Arrow Tech Machine Works
29751 E. Enid Road,
Unit C
Eugene, OR 97402 USA
Phone: 541-780-6938
Fax: 458-215-4938

Ship To:

PO No: PO042588
PO Date: 2/12/19
Due Date: 3/11/19
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Lussier, Patrick

Phone:
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items													
Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	190662	RBW0905G12631-3GP			Safety Joint Assembly REV 7	Firmed	-	3/11/19	1 pcs	0 pcs	1 pcs	\$3,563.35/pcs	\$3,563.35
Grand Total:													\$3,563.35

DAS
68
9-89

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 2/12/19 3:08 PM dart.Lussier.Patrick



RECEIVED

2/12/19



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
PO042588



Supplier: ARR002-VU
Arrow Tech Machine Works
29751 E. Enid Road,
Unit C
Eugene, OR 97402 USA
Phone: 541-780-6938
Fax: 458-215-4938

PO No: PO042588
PO Date: 2/12/19
Due Date: 3/11/19
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Lussier, PatrickPhone:

Ship To:

Pymt Terms:	Net 30
Freight Terms:	
Special Comments:	

Items													
Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	190662	RBW0905G12631-3GP			Safety Joint Assembly REV 7	Firmed	-	3/11/19	1 pcs	0 pcs	1 pcs	\$3,563.35/pcs	\$3,563.35
Grand Total:													\$3,563.35

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

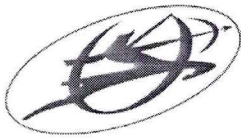
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 2/12/19 3:08 PM dart.Lussier.Patrick



**PHGE Machineworks dba
Arrowtech Machineworks**
29751 E Enid Rd. Unit C
Eugene, Oregon 97402
Phone: (541) 780-6938
Fax: (458) 215-4938

Packing Slip

NO. 454

Date: 3/7/2019 ✓
PO Ref: 042588 ✓
Ship via: Fedex Priority

Bill To:
Dart Aerospace
1270 Aberdeen St. Hawkesbury, ON
CANADA K6A 1K7

Ship To:
Dart Aerospace
1271 Aberdeen St. Hawkesbury, ON
CANADA K6A 1K8

Qty
1 ✓

Item
SAFETY JOINT ASSEMBLY

Part No.
RBW0905G12631-3G ✓

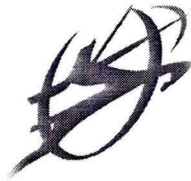
~~RBW0905G12631-3G~~
~~36~~

Received by: _____

Packaged by: _____

Checked by: Aut

Thank You



ARROW TECH MACHINE WORKS

Certificate of Conformance

Your Purchase Order No: 042588 ✓

Dated: 3/7/2019

Our Order / Job No: 042588-1AWT

Order Qty: 1 ✓

Part Name: SAFETY PIN, TOWING/PUSHING

Part Number RBW0905G12631-3G

Lot Size: N/A

Ship Date: 3/7/2019

We certify that these parts shipped to you are of domestic or international manufacture and conform to all requirements of the Purchase Order. These parts have been manufactured and inspected in accordance with all required specifications, instructions and drawings. Any applicable specifications are listed below:

Drawing Number: RBW0905G12631-3G ✓

Rev: 7

DAS
68
9-89

Material Size and Type: -1, -3/4140; -5,-7,-9,-11/6061; -13/BRONZE

Material Specifications: 4140: ASTM A108, ASTM A29; 6061: ASTM B211; BRONZE: B505

Heat Treatment: N/A

Plating/Finish: CLEAR ANODIZE: MIL-A-8625F, TYPE 11, CLASS 1; NICKLE PLATE: .0004 - .0006

Mercury Contamination: The material used to process this order has not come in contact with mercury or mercury bearing instruments.

Date:

3/7/19

Signed:

Hemat or Lat

PHGE Machine Works LLC dba Arrow Tech Machine Works
29751 E. Enid Rd. Unit C Eugene, Oregon 97402
Main: (541) 780-6938 | Fax: (458) 215-4938
www.atechmachineworks.com